

[System and Method for Dynamically Mapping Dynamic Multi-Sourced Persisted EJBs]

Abstract of Disclosure

Dynamic Multi-sourced Persisted Enterprise Java Bean (EJB) instances are dynamically created on a J2EE compliant Application Server to access data contained in multiple data source systems. This Dynamic Multi-sourced Persisted EJB is a general class responsible for dynamically aggregating source system information and it to data in the source systems based on a Context definition. Individual EJB attributes that include mapping, caching and security definitions are mapped to individual pieces of data in source systems by the Context definition. A mapping definition can be reloaded during execution as desired. Applications can access the Dynamic Multi-sourced Persisted Entity EJB directly, or use a Session EJB to create a static interface to the dynamically mapped, cached and secured data. Dynamic mapping of Context definition attributes to source system data for transferring data between client and source systems and for modifying data attributes are achieved without recoding, recompiling and redeploying of custom coded solutions.

Figures